

**Assedil**

**Asedil**  
See Benzo(b)thiophene-3-propanoic acid,  $\alpha$ -2-propenyl-, 3-(diethylamino)propyl ester, 2-hydroxy-1,2,3-propanetricarboxylate (1:1) [35057-88-6]

**Assemblin**  
See Proteinase, assembly protein precursor-processing [139691-88-6]

**Assert**  
See Benzoic acid, 2-(4,5-dihydro-4-methyl-4-(1-methylthyl)-5-oxo-1H-imidazol-2-yl)-4(or 5)-methyl-, methyl ester [81405-85-8]

**Asset**  
See 3(2H)-Benzothiazoleacetic acid, 4-chloro-2-oxo-, mixt. with 3,5-dibromo-4-hydroxybenzonitrile and 4-hydroxy-3,5-diiodobenzonitrile [101062-68-4]

**AS-S 230G30**  
See Glass fibers

**Assignaxanthone A**  
See 9H-Xanthen-9-one, 4-(1,1-dimethyl-2-propenyl)-1,3,5,6-tetrahydroxy- [197447-26-0]

**Assignaxanthone B**  
See 9H-Xanthen-9-one, 1,3,6,7-tetrahydroxy-2-(3-methyl-2-butenyl)- [197447-29-3]

**Asocanone**  
See 7H-Pyrrol[3,2,1-d]phenanthridine, 4,5-dihydro-9,10-dimethoxy- [107208-75-3]

**Associated solutions**  
Valid heading during volumes 129-130 (July 1998-June 1999) only  
See Solutions, assocd.

**Association enthalpy**  
See also narrower: Micellization enthalpy  
See also related:  
Association entropy  
Denaturation enthalpy  
Dissociation enthalpy  
Hydrogen bonding enthalpy  
Molecular association

**Association entropy**  
See also related:  
Association enthalpy  
Free energy of binding  
Molecular association

**Assol**  
See Detergents, laundry

**ASSP**  
See Graphite [7782-42-5]

**ASSP-E**  
See Graphite [7782-42-5]

**Assufulvenal**  
See 1-Azulene-carboxaldehyde, 2-[(3aR,4R,7R)-2,4,5,6,7,8-hexahydro-4,9,9-trimethyl-3H-3a,7-methanoazulen-1-yl]methylene]-2,4,5,6,7,8-hexahydro-4-methyl-7-(1-methylethenyl)-, (2E,4R,7R)- [172430-58-9]

**Assugrin**  
See Sulfamic acid, cyclohexyl-, monosodium salt [139-05-9]

**Assure**  
See Propanoic acid, 2-[4-(6-chloro-2-quinazolinyl)oxy]phenoxy]-, ethyl ester [76578-14-8]

**Assure II**  
See Propanoic acid, 2-[4-(6-chloro-2-quinazolinyl)oxy]phenoxy]-, ethyl ester, (2R)- [100646-51-3]

**AST 1**  
See 2-Propanoic acid, 2-methyl-, polymers, polymer with methyl 2-methyl-2-propenoate [25086-15-1]

**2020AST**  
See 2-Propenenitrile, polymers, polymer with 1,3-butadiene and ethenylbenzene [9003-56-9]

**AST 2A**  
See Phenol, polymers, polymer with formaldehyde [9003-35-4], asbestos-filled

**Asta 4968**  
See 2H-1,3,2-Oxazaphosphorin-2-amine, N-(2-chloroethyl)tetrahydro-, 2-oxide [36761-83-8]

**Asta 5122**  
See Ethanol, 2-[(3-(2-chloroethyl)tetrahydro-2-oxido-2H-1,3,2-oxazaphosphorin-2-yl)amino]-, methanesulfonate (ester) [37753-10-9]

**Asta 5160**  
See 2H-1,3,2-Oxazaphosphorin-4-one, 2-bis(2-chloroethyl)amino]tetrahydro-, 2-oxide [27046-19-1]

**Asta 5317**  
See Phosphorodiamidic acid, N,N-bis(2-chloroethyl)- [10159-53-2]

**Asta 5333**  
See Phosphorodiamidic acid, tris(2-chloroethyl)- [70927-27-4]

**Asta 5607**  
See Ethanesulfonic acid, 2-[(3-(2-chloroethyl)tetrahydro-2-oxido-2H-1,3,2-oxazaphosphorin-2-yl)amino]ethyl ester [37752-36-6]

**Asta 5754**  
See Propanoic acid, 3-[amino]bis(2-chloroethyl)amino]phosphinyl]oxy]- [22788-18-7]

**Asta 5783**  
See 1-Pentanesulfonic acid, 2-[(3-(2-chloroethyl)tetrahydro-2-oxido-2H-1,3,2-oxazaphosphorin-2-yl)amino]ethyl ester [37752-44-6]

**Asta 6496**  
See Hydroperoxide, 2-bis(2-chloroethyl)amino]tetrahydro-2-oxido-2H-1,3,2-oxazaphosphorin-4-yl [39800-16-3]

**Asta 6569**  
See 2H-1,3,2-Oxazaphosphorin-4-ol, 3-(2-chloroethyl)-2-[(2-chloroethyl)amino]tetrahydro-, 2-oxide [50892-10-9]

**Asta 6635**  
See 2H-1,3,2-Oxazaphosphorin-4-ol, 2-bis(2-chloroethyl)amino]tetrahydro-, 2-oxide [40277-05-2]

**Asta 6760**  
See Hydroperoxide, 3-(2-chloroethyl)-2-[(2-chloroethyl)amino]tetrahydro-2-oxido-2H-1,3,2-oxazaphosphorin-4-yl [39800-16-3]

zaphosphorin-4-yl [39800-28-7]

**Asta 7019**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N,N*-diethyltetrahydro-, 2-oxide [53859-37-3]

**Asta 7037**  
See Hydroperoxide, 2-(diethylamino)tetrahydro-2-oxido-2*H*-1,3,2-oxazaphosphorin-4-yl [76353-74-7]

**Asta 7082**  
See 1-Propanesulfonic acid, 3-mercaptop-, 2-methyl-, monosodium salt [70793-14-5]

**Asta 7100**  
See 1-Propanesulfonic acid, 3-mercaptop-, monosodium salt [71636-10-1]

**Asta 7169**  
See 2*H*-1,3,2-Oxazaphosphorin-4-ol, 2-(diethylamino)tetrahydro-, 2-oxide [70927-26-3]

**Asta 7277**  
See 1-Hexanesulfonic acid, 6-mercaptop-, monosodium salt [70793-15-6]

**Asta 7512**  
See Butanedioic acid, 2,3-dimercapto- [2418-14-6]

**Asta B 516**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N,N*-diethyltetrahydro-, 2-oxide [53859-37-3]

**Asta B 518**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N,N*-bis-(2-chloroethyl)tetrahydro-, 2-oxide [50-18-0]

**Asta B 707**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N,N*-bis-(2-chloroethyl)tetrahydro-5,5-dimethyl-, 2-oxide [22089-27-6]

**Asta Bx 707**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N,N*-bis-(2-chloroethyl)tetrahydro-5,5-dimethyl-, 2-oxide [22089-27-6]

**ASTA C**  
See Benzoic acid, 3,4,5-trimethoxy-, esters, (tetrahydro-1*H*-1,4-diazepine-1,4(5*H*)-diyl)di-, 1-propanediyl ester, dihydrochloride [20153-98-4]

**Astacene**  
See  $\beta,\beta$ -Carotene-3,3',4,4'-tetrone [514-76-1]

**Astacidae**  
See Crayfish

**Astacus fluviatilis**  
See *Astacus astacus*

**Astasin**  
See  $\alpha$ -D-Xylopyranoside, (3 $\beta$ ,22*E*)-ergosta-5,7,22-trien-3-yl, cyclic 2,3-ethanedioate [162559-39-9]

**Astat**  
See 1*H*-Imidazole-1-acetonitrile,  $\alpha$ -[4-(2-chlorophenyl)-1,3-dithiolan-2-ylidene]-, ( $\alpha$ E)- [101530-10-31]

**Astaxanthin**  
*all-trans* — see  $\beta,\beta$ -Carotene-4,4'-dione, 3,3'-dihydroxy-, (3*S*,3'*S*)- [472-61-7]

**Asta Z 4942**  
See 2*H*-1,3,2-Oxazaphosphorin-2-amine, *N*,3-bis-(2-chloroethyl)tetrahydro-, 2-oxide [3778-73-2]

**Asta Z 7557**  
See Ethanesulfonyl amide, 2-[(2*R*,4*R*)-2-bis(2-chloroethyl)amino]tetrahydro-2-oxido-2*H*-1,3,2-oxazaphosphorin-4-yl]thio]-, rel., compd. with cyclohexanamine (1:1) [84210-80-0]

**Asta Z 7654**  
See *L*-Lysine, compounds, mono/rel-2-[(2*R*,4*R*)-2-bis(2-chloroethyl)amino]tetrahydro-2-oxido-2*H*-1,3,2-oxazaphosphorin-4-yl]thio]-ethanesulfonate] [98845-64-8]

**Astec Cyclobond 1-AC**  
See  $\beta$ -Cyclodextrin, acetate [113573-77-6]

**Astec Cyclobond 1-PT**  
See  $\beta$ -Cyclodextrin, 4-methylbenzoate [148374-16-7]

**Astechrome**  
See Iron, tris[1-(hydroxy- $\kappa$ O)-5-methoxy-6-methyl-3-yl]-7-(3-methyl-2-butenyl)-1*H*-indol-3-yl]methyl]-2(1*H*)-pyrazinonato- $\kappa$ O<sup>2</sup>]- [75310-10-0]

**Astellatol**  
See 3a,11a-Methano-4*H*-inden[5,6-*e*]azulen-9-ol, tetradecahydro-3,6,7a-trimethyl-12-methylene-10-(1-methylethyl)-, (3*R*,3a*R*,6*R*,6a*S*,7a*R*,9*S*,10*S*,10a*R*,11a*R*,11b*S*)-rel- [127393-74-2]

**Astellolide A**  
See Naphthal[1,2-*c*]furan-3(1*H*)-one, 6,9a-bis-(acetyloxy)methyl]-5-(benzoyloxy)-4,5,5a,6,7,8,9,9a-octahydro-6-methyl-, (5*R*,5a*S*,6*S*,9a*R*)- [55778-98-8]

**Astellolide B**  
See Benzoic acid, 4-hydroxy-, esters, (5*R*,5a*S*,6*S*,9a*R*)-6,9a-bis(acetyloxy)methyl]-1,3,4,5,5a,6,7,8,9,9a-decahydro-6-methyl-3-oxonaphthal-1,2-*c*lfuran-5-yl ester [78834-89-6]

**Astellotoxin**  
See 2*H*-Pyrane-2-one, 6-[(1*E*,3*E*,5*E*)-6-[(2*R*,3*R*,3a*R*,4*R*,5*R*,6a*S*)-5-ethylhexahydro-3,4-dihydroxy-3a,4-dimethylfuro[2,3-*b*]furan-2-yl]-1,3,5-hexatrienyl]-4-methoxy-5-methyl- [79663-49-3]

**Astemizole**  
See 1*H*-Benzimidazol-2-amine, 1-[(4-fluorophenyl)methyl]-*N*-[1-[2-(4-methoxyphenyl)ethyl]-4-piperidinyl]- [18844-77-9]

**Astepyrone**  
See 6*H*-Furo[2,3-*b*]pyran-6-one, 2,3,3a,7a-tetrahydro-2-hydroxy-4-methoxy-3-methyl- [86925-92-0]

**Aster**  
The genus *Aster* and asters of unknown generic identity are indexed at this heading  
China — see China aster (*Callistephus chinensis*)

**Asteracantha**  
See *Gyrophila*

**Asteraceae**  
See *Compositae* (Asteraceae)

**Asterpropellane**  
See 1H,3H,5H,7H-3a,4a,7a,8b-1,2,3,4)-  
Butanetetraylfurid-3',4':3,4)cyclobut-1,2-f-  
isobenzofuran, tetrahydro- [54308-09-7]

**Asterbatanositide E**  
See Olean-12-en-28-oic  
acid, 2,3,23-trihydroxy-, 6-O- $\beta$ -D-  
glucopyranosyl- $\beta$ -D-glucopyranosyl  
ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [161239-01-6]

**Asterbatanositide D**  
See Olean-12-en-28-oic  
acid, 3-( $\beta$ -D-glucopyranosyloxy)-2,23-  
dihydroxy-,  $\beta$ -D-glucopyranosyl  
ester, (2 $\alpha$ ,3 $\beta$ ,4 $\omega$ )- [91174-19-5]

**Asterbatanositide D**  
See Olean-12-en-28-oic  
acid, 3-( $\beta$ -D-glucopyranosyloxy)-2,23-  
dihydroxy-, 6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-  
glucopyranosyl ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [161842-78-0]

**Asterbatanositide E**  
See Olean-12-en-28-oic  
acid, 3-(16-O-acetyl- $\beta$ -D-glucopyranosyl)-  
oxy)-2,23-dihydroxy-, 6-O- $\beta$ -D-  
glucopyranosyl- $\beta$ -D-glucopyranosyl  
ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [161842-79-1]

**Asterbatanositide F**  
See Olean-12-en-28-oic  
acid, 23-(acetyloxy)-3-( $\beta$ -D-  
glucopyranosyloxy)-2-hydroxy-, 6-O-6-deoxy- $\alpha$ -L-  
mannopyranosyl-(1-2)-O-( $\beta$ -D-  
glucopyranosyl)-(1-6)- $\beta$ -D-glucopyranosyl  
ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [163558-54-6]

**Asterbatanositide G**  
See Olean-12-en-28-oic  
acid, 3-( $\beta$ -D-glucopyranosyloxy)-2,23-  
dihydroxy-, 6-O-6-deoxy- $\alpha$ -L-  
mannopyranosyl-(1-2)-O-( $\beta$ -D-  
glucopyranosyl)-(1-6)- $\beta$ -D-glucopyranosyl  
ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [143519-56-6]

**Asterbatanositide H**  
See Olean-12-en-28-oic  
acid, 3-(13-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-  
glucopyranosyloxy)-2,23-dihydroxy-, 6-O- $\beta$ -  
D-glucopyranosyl- $\beta$ -D-glucopyranosyl  
ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [163565-03-5]

**Asterbatanositide I**  
See Olean-12-en-28-oic  
acid, 23-(acetyloxy)-3-(13-O- $\beta$ -D-  
glucopyranosyl- $\beta$ -D-glucopyranosyloxy)-2-  
hydroxy-, 6-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-  
glucopyranosyl ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [163565-02-4]

**Asterbatanositide J**  
See Olean-12-ene-23,28-dioic  
acid, 3-(16-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-  
glucopyranosyloxy)-2-hydroxy-, 28-(O- $\alpha$ -L-  
arabinopyranosyl-(1-3)-O-6-deoxy- $\alpha$ -L-  
mannopyranosyl-(1-2)-6-deoxy- $\beta$ -D-galacto-  
pyranosyl) ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [163318-68-1]

**Asterbatanositide K**  
See Olean-12-ene-23,28-dioic  
acid, 3-(16-O- $\beta$ -D-glucopyranosyl- $\beta$ -D-  
glucopyranosyloxy)-2-hydroxy-, 28-(O- $\alpha$ -L-  
arabinopyranosyl-(1-3)-O- $\beta$ -D-  
xylopyranosyl-(1-4)-O-6-deoxy- $\alpha$ -L-  
mannopyranosyl-(1-2)-6-deoxy- $\beta$ -D-galacto-  
pyranosyl) ester, (2 $\beta$ ,3 $\beta$ ,4 $\omega$ )- [166604-01-9]

**Asteridioidide A**  
See Cholest-9(11)-en-23-one, 6-[(O-6-deoxy- $\beta$ -  
D-glucopyranosyl)-(1-2)-O-(O- $\beta$ -D-galacto-  
pyranosyl)-(1-3)-O-6-deoxy- $\beta$ -D-galacto-  
pyranosyl)-(1-2)- $\beta$ -D-galactopyranosyl-  
(1-4)-O-6-deoxy- $\beta$ -D-glucopyranosyl-  
(1-3)-6-deoxy- $\beta$ -D-glucopyranosyloxy]-20-  
hydroxy-3-(sulfoxy)-, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ )-  
[214976-27-9]

**Asteridioidide B**  
See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ )-20-hydroxy-  
3-(sulfoxy)ergosta-9(11),24(28)-dien-6-yl  
O-6-deoxy- $\beta$ -D-glucopyranosyl-(1-2)-O-  
[O- $\beta$ -D-galactopyranosyl-(1-3)-O-6-deoxy- $\beta$ -  
D-galactopyranosyl-(1-2)-6-deoxy- $\beta$ -D-  
galactopyranosyl-(1-4)-O- $\beta$ -D-  
xylopyranosyl-(1-3)-6-deoxy- [214976-30-4]

**Asteridioidide C**  
See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ )-20-hydroxy-  
3-(sulfoxy)cholesta-9(11),24-dien-6-yl  
O-6-deoxy- $\beta$ -D-glucopyranosyl-(1-2)-O-  
[O- $\beta$ -D-galactopyranosyl-(1-3)-O-6-deoxy- $\beta$ -  
D-galactopyranosyl-(1-2)-6-deoxy- $\beta$ -D-  
galactopyranosyl-(1-4)-O- $\beta$ -D-  
xylopyranosyl-(1-3)-6-deoxy- [214976-56-4]

**Asteridioidide D**  
See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ )-20-hydroxy-  
3-(sulfoxy)ergosta-9(11),24(28)-dien-6-yl  
O-6-deoxy- $\beta$ -D-glucopyranosyl-(1-2)-O-  
[O- $\beta$ -D-galactopyranosyl-(1-3)-O-6-deoxy- $\beta$ -  
D-galactopyranosyl-(1-2)-6-deoxy- $\beta$ -D-  
galactopyranosyl-(1-4)-O- $\beta$ -D-  
xylopyranosyl-(1-3)-6-deoxy- [214976-57-5]

**Asteridioidide E**  
See  $\beta$ -D-Glucopyranoside, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ )-20-hydroxy-  
3-(sulfoxy)cholesta-9(11),24-dien-6-yl  
O-6-deoxy- $\beta$ -D-glucopyranosyl-(1-2)-O-  
[O- $\beta$ -D-galactopyranosyl-(1-3)-O- $\alpha$ -L-  
arabinopyranosyl-(1-2)-6-deoxy- $\beta$ -D-  
galactopyranosyl-(1-4)-O- $\beta$ -D-  
xylopyranosyl-(1-3)-6-deoxy- [214976-59-7]

**Asteridioidide F**  
See Cholest-22-ene-6,8,15,16-tetrol, 3,26-bis-( $\beta$ -D-  
xylopyranosyloxy)-, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ ,15 $\beta$ ,16 $\beta$ ,22E,  
25S)- [214976-61-1]

**Asteridioidide G**  
See Ergost-22-ene-6,8,15,16-tetrol, 3,26-bis-( $\beta$ -D-  
xylopyranosyloxy)-, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ ,15 $\beta$ ,16 $\beta$ ,22E,24R,  
25S)- [214976-62-2]

**Asteridioidide H**  
See  $\beta$ -D-Xylopyranoside, (3 $\beta$ ,5 $\alpha$ ,6 $\omega$ ,15 $\beta$ ,22E,24R)-6,  
8,15-trihydroxy-24-(3-O-sulfo- $\beta$ -D-  
xylopyranosyloxy)cholesta-22-en-3-yl  
[214976-63-3]

**Asteridioidide I**  
See Cholest-22-ene-6,7,8,15-tetrol, 24-(13-O-